

WHAT IS CLAIMED IS:

1. A storage unit with a rolling tray arrangement, comprising:
a storage compartment with sides;
an opening in at least one of the sides;
a lower portion of the storage unit provided with a plurality of rollers; and
a roller shelf provided with a plurality of rollers capable of being attached to the storage unit so that the roller shelf extends away from an edge of the opening of the storage compartment, such that one or more trays for carrying items to be stored in the storage compartment, may be moved over the rollers of the storage unit, out through the opening, and onto the rollers of roller shelf.
2. The storage unit with a rolling tray arrangement according to claim 1, wherein the storage unit is a cabinet with a top, a bottom, and four sides.
3. The storage unit with a rolling tray arrangement according to claim 1, wherein the storage unit is a rack having sides which are substantially open.
4. The storage unit with a rolling tray arrangement according to claim 1, wherein the roller shelf includes hooks for attaching the roller shelf adjacent to the opening in the at least one of the sides of the storage compartment.

5. The storage unit with a rolling tray arrangement according to claim 1, wherein the roller shelf is free standing.

6. The storage unit with a rolling tray arrangement according to claim 1, wherein the roller shelf serves as a door for covering the opening.

7. The storage unit with a rolling tray arrangement according to claim 6, wherein the roller shelf is pivotably attached to the storage unit below the opening of the storage compartment, the roller shelf swinging upward to close the opening.

8. The storage unit with a rolling tray arrangement according to claim 1, wherein the rollers are distributed substantially uniformly over the lower portion of the storage unit and the roller shelf in order to evenly distribute a weight of the items on the tray.

9. The storage unit with a rolling tray arrangement according to claim 1, wherein the tray is a flat plate.

10. The storage unit with a rolling tray arrangement according to claim 1, wherein the roller shelf includes two or more bracket assemblies with rollers, the bracket assemblies being usable independently of each other.

11. The storage unit with a rolling tray arrangement according to claim 1, further comprising an interlock to prevent the tray from moving prior to attaching the roller shelf to the storage unit.

12. The storage unit with a rolling tray arrangement according to claim 1, wherein the opening is provided two of the sides of the storage compartment opposite to each other, thus providing for bi-directional travel of the tray.

13. The storage unit with a rolling tray according to claim 1, wherein the tray is movably supported on slides attached to two of the sides of the storage compartment in addition to the rollers on the lower portion of the storage unit.

14. The storage unit with a rolling tray according to claim 1, wherein the roller shelf may be used with multiple trays housed in a plurality of storage units.

15. The storage unit with a rolling tray according to claim 1, where the tray is movable completely outside the storage unit onto the roller shelf.

16. The storage unit with a roller tray according to claim 1, further comprising:
telecommunications equipment housed in the storage compartment; and
batteries supported on said tray for providing power to the telecommunications equipment.

17. The storage unit with a rolling tray according to claim 1, wherein batteries are stored in the storage compartment, and the roller shelf may be stored above the batteries in the storage compartment when not supporting the tray, thus holding the batteries securely on the tray.

18. The storage unit with a rolling tray according to claim 1, wherein the rollers are arranged in one or more rows of the roller shelf.

19. A storage unit with a rolling tray arrangement, comprising:
a storage compartment with sides;
an opening in at least one of the sides;
a plurality of rollers arranged on a lower portion of the storage unit;
a tray for carrying items to be stored in the storage compartment, the tray being movable over the rollers out through the opening so that substantially $\frac{3}{4}$ of the tray may extend outside of the storage compartment,
wherein hold-down brackets hold the tray in a cantilevered position when the tray extends outside of the storage compartment.

20. The storage unit with a rolling tray according to claim 19, wherein at least one projection or rod is arranged on the lower portion of the storage unit, and the rollers are mounted on the at least one projection or rod.

21. The storage unit with a rolling tray arrangement according to claim 19, wherein the hold-down brackets are angle-shaped members and project under at least some of the rollers arranged along the lower portion of the storage unit, thus preventing the tray from tilting downward when it extends outside of the storage unit.

22. The storage unit with a rolling tray arrangement according to claim 19, wherein the hold-down brackets are L-shaped, S-shaped or Z-shaped members and project under at least some of the rollers arranged along the lower portion of the storage unit.

23. The storage unit with a rolling tray arrangement according to claim 19, wherein the hold-down brackets may be attached to the tray.

24. The storage unit with a rolling tray arrangement according to claim 19, wherein the openings are provided on two of the sides of the storage compartment opposite to each other, thus providing for bi-directional travel of the tray.

25. The storage unit with a rolling tray according to claim 19, wherein the tray has side walls.

26. A storage unit with a rolling tray arrangement, comprising:

a storage compartment with sides;

an opening in at least one of the sides;

a movable tray for carrying items to be stored in the storage unit, the tray being supported on rollers fixed to the tray, the rollers capable of rolling in fixed roller tracks mounted in the storage compartment;

a detachable roller track extension extending from each of the fixed roller tracks, the roller track extensions extending out through the opening,

the tray being rollable over the fixed roller tracks of the storage unit, out through the opening and onto the roller track extensions.

27. The storage unit with a rolling tray arrangement according to claim 26, wherein the rollers supporting the tray are fixed to sides of the tray, and the fixed roller tracks are mounted on sides of the storage compartment.

28. The storage unit with a rolling tray arrangement according to claim 26, wherein supplementary rollers for supporting the tray are fixed under the tray, and the fixed roller tracks extend under the tray.

29. The storage unit with a rolling tray arrangement according to claim 26, wherein the roller track extensions may be free standing or attached to the storage unit on one end and supported with legs on the other end.

30. The storage unit with a rolling tray arrangement according to claim 26, wherein the roller track extensions may be attached to each other.

31. The storage unit with a rolling tray arrangement according to claim 26, wherein the roller track extensions may include an interlock for preventing the tray from moving prior to extending the roller track extensions from the fixed roller tracks.

32. The storage unit with a rolling tray arrangement according to claim 26, wherein the tray may be supported by supplementary rollers that are mounted on an inner bottom surface of the storage unit.